

From: [Caudill, Motria](#)
To: [Whipple, Wayne](#); [Oliver, Karen](#); [Whitaker, Donald](#)
Subject: RE: Draft slides
Date: Wednesday, July 01, 2015 1:50:00 PM
Attachments: [image001.png](#)
[NEMC Caudill - Next Generation Ambient Air Monitoring for Benzene and Toluene.pptx](#)

Hi folks – I've made most of the suggested changes.

I don't recommend commenting on the distance between inlets. As we speak, OAQPS is working on the official guidance for air toxics collocation spacing. In the meantime, though, our monitoring folks have spaced VOC samplers according to the existing guidance for other passive and low-flow monitors: between 1-4 meters. If they are too close, then there is the potential for one monitor to affect another's intake (less of an issue for passives). You'd have to be several meters apart before there begins to be an issue with the air quality differing to any significant/measurable degree. We deployed our samplers so that all inlets were within 2 meters.

In other news, I figured out that my main contact at BP left the organization and my emails have been going into a black hole. Wayne, I'm going to copy you on a message to Linda Wilson (Jim's old boss) who may have comments on how BP's program is described. I'll be on vacation starting middle/end of next week, so she may have to contact you directly. FYI, her number is 219-473-3287.

-Motria

From: Oliver, Karen
Sent: Monday, June 22, 2015 2:55 PM
To: Caudill, Motria
Cc: Whipple, Wayne; Whitaker, Donald
Subject: FW: Draft slides
Importance: High

Motria,

Here are some comments from Don and me on the NEMC slides for you and Wayne to consider:

Slide 3 "Is this new monitoring method any good?!" - We feel that it would be better to use a word such as "proposed" rather than "new" here since diffusive sampling methods like this one have been around for a while. **OK**

Slide 4 I've attached a photo of our canister GC-MS system that could be used rather than the current one that has the liquid autosampler. **OK**

Slide 6 I've attached a photo of our TD-GC-MS system that could be used to replace the one in slide 6 that shows the GC-MS with the liquid autosampler. **OK**

Slide 6 Suggest slide title change to the following (modifications underlined) “Proposed method – Passive tubes, collection via modified Method 325A, analysis via modified Method 325B” (Note: The 325A and B methods are based in part on our Carbopack X tube methods, but we currently are not necessarily following every procedure that they have proposed.) **OK**

Slide 7 A period is missing at the end of the statement in the first bullet. **OK**

Slide 9 Talking points:

- a.) The one week sample deployment period for the Whiting study deviates from the proposed method which specifies two-week sample periods. **OK**
- b.) The inlets for the canisters/tubes/GC should have been placed right together in order to obtain the best comparison data possible. (I’ve attached a few photos of our canister and tube inlet setup as examples.) This point could be mentioned in the Conclusions on slide 19 as well. **NOPE** 😊

Slide 20 Please add that the EPA-ORD efforts were supported by Lillian Alston (Senior Environmental Employment Program), Tamira Cousett (Alion Science and Technology Corporation), and Maribel Colon and Tai Wu (US EPA). **OK**

Thanks!

Karen

Karen D. Oliver
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711
Phone: (919) 541-2337
Fax: (919) 541-0960
E-Mail: oliver.karen@epa.gov

From: Caudill, Motria
Sent: Wednesday, June 17, 2015 9:29 AM
To: Whipple, Wayne; Oliver, Karen; Whitaker, Donald
Subject: Draft slides

Hi guys – attached are draft slides. I will check in later today with BP to see whether we can salvage their benzene data. (see below, their data correlate, but are really high at Sites #1 and 4).

We have 30 minutes allotted. We can add a slide or two, but let's not overdo it. I can talk with Wayne and/or write up some speaker notes to help point out important take-aways for the graphics.

Any input appreciated.

